

§ 810.1603

7 CFR Ch. VIII (1–13 Edition)

fungus; or by dirt; or by a dirt-like substance(s) including nontoxic inoculants; or by other nontoxic substances.

(f) *Sieve*— $\frac{3}{64}$ round-hole sieve. A metal sieve 0.032 inch thick perforated with round holes 0.125 ($\frac{3}{64}$) inch in diameter.

(g) *Soybeans of other colors*. Soybeans that have green, black, brown, or bi-colored seed coats. Soybeans that have green seed coats will also be green in cross section. Bicolored soybeans will have seed coats of two colors, one of which is brown or black, and the brown or black color covers 50 percent of the seed coats. The hilum of a soybean is not considered a part of the seed coat for this determination.

(h) *Splits*. Soybeans with more than $\frac{1}{4}$ of the bean removed and that are not damaged.

PRINCIPLES GOVERNING THE
APPLICATION OF STANDARDS

§ 810.1603 Basis of determination.

Each determination of class, heat-damaged kernels, damaged kernels, splits, and soybeans of other colors is made on the basis of the grain when free from foreign material. Other determinations not specifically provided for under the general provisions are made on the basis of the grain as a whole.

GRADES AND GRADE REQUIREMENTS

§ 810.1604 Grades and grade requirements for soybeans.

Grading factors	Grades U.S. Nos.			
	1	2	3	4
Maximum percent limits of:				
Damaged kernels:				
Heat (part of total)	0.2	0.5	1.0	3.0
Total	2.0	3.0	5.0	8.0
Foreign material	1.0	2.0	3.0	5.0
Splits	10.0	20.0	30.0	40.0
Soybeans of other colors: ¹	1.0	2.0	5.0	10.0
Maximum count limits of:				
Other material:				
Animal filth	9	9	9	9
Caster beans	1	1	1	1
Crotalaria seeds	2	2	2	2
Glass	0	0	0	0
Stones ²	3	3	3	3
Unknown foreign substance	3	3	3	3
Total ³	10	10	10	10

U.S. Sample grade are Soybeans that:

- (a) Do not meet the requirements for U.S. Nos. 1, 2, 3, or 4; or
- (b) Have a musty, sour, or commercially objectionable foreign odor (except smut or garlic odor); or
- (c) Are heating or of distinctly low quality.

¹ Disregard for Mixed soybeans.

² In addition to the maximum count limit, stones must exceed 0.1 percent of the sample weight.

³ Includes any combination of animal filth, castor beans, crotalaria seeds, glass, stones, and unknown substances. The weight of stones is not applicable for total other material.

[71 FR 52406, Sept. 6, 2006]

SPECIAL GRADES AND SPECIAL GRADE
REQUIREMENTS

§ 810.1605 Special grades and special grade requirements.

(a) *Garlicky soybeans*. Soybeans that contain 5 or more green garlic bulblets or an equivalent quantity of dry or

partly dry bulblets in a 1,000 gram portion.

(b) *Purple mottled or stained soybeans*. Soybeans with pink or purple seed

coats as determined on a portion of approximately 400 grams with the use of an FGIS Interpretive Line Photograph.

[52 FR 24418, June 30, 1987, as amended at 52 FR 24441, June 30, 1987; 59 FR 10573, Mar. 7, 1994]

Subpart K—United States Standards for Sunflower Seed

TERMS DEFINED

§ 810.1801 Definition of sunflower seed.

Grain that, before the removal of foreign material, consists of 50.0 percent or more of cultivated sunflower seed (*Helianthus annuus* L.) and not more than 10.0 percent of other grains for which standards have been established under the United States Grain Standards Act.

§ 810.1802 Definition of other terms.

(a) *Cultivated sunflower seed.* Sunflower seed grown for oil content. The term seed in this and other definitions related to sunflower seed refers to both the kernel and hull which is a fruit or achene.

(b) *Damaged sunflower seed.* Seed and pieces of sunflower seed that are badly ground-damaged, badly weather-damaged, diseased, frost-damaged, heat-damaged, mold-damaged, sprout-damaged, or otherwise materially damaged.

(c) *Dehulled seed.* Sunflower seed that has the hull completely removed from the sunflower kernel.

(d) *Foreign material.* All matter other than whole sunflower seeds containing kernels that can be removed from the original sample by use of an approved device and by handpicking a portion of the sample according to procedures prescribed in FGIS instructions.

(e) *Heat-damaged sunflower seed.* Seed and pieces of sunflower seed that are materially discolored and damaged by heat.

(f) *Hull (Husk).* The ovary wall of the sunflower seed.

(g) *Kernel.* The interior contents of the sunflower seed that are surrounded by the hull.

PRINCIPLES GOVERNING THE APPLICATION OF STANDARDS

§ 810.1803 Basis of determination.

Each determination of heat-damaged kernels, damaged kernels, test weight per bushel, and dehulled seed is made on the basis of the grain when free from foreign material. Other determinations not specifically provided for in the general provisions are made on the basis of the grain as a whole, except the determination of odor is made on either the basis of the grain as a whole or the grain when free from foreign material.

GRADES AND GRADE REQUIREMENTS

§ 810.1804 Grades and grade requirements for sunflower seed.

Grade	Minimum test weight per bushel (pounds)	Maximum limits of—		
		Damaged Sunflower Seed		Dehulled seed (percent)
		Heat Damaged (percent)	Total (Percent)	
U.S. No. 1	25.0	0.5	5.0	5.0
U.S. No. 2	25.0	1.0	10.0	5.0

U.S. Sample grade—

U.S. Sample grade is sunflower seed that:

- (a) Does not meet the requirements for the grades U.S. Nos. 1 or 2; or
- (b) Contains 8 or more stones which have an aggregate weight in excess of 0.20 percent of the sample weight, 2 or more pieces of glass, 3 or more crotalaria seeds (*Crotalaria* spp.), 2 or more castor beans (*Ricinus communis* L.), 4 or more particles of an unknown foreign substance(s), or a commonly recognized harmful or toxic substance(s), 10 or more rodent pellets, bird droppings, or equivalent quantity of other animal filth per 600 grams of sunflower seed; or
- (c) Has a musty, sour, or commercially objectionable foreign odor; or
- (d) Is heating or otherwise of distinctly low quality.